

EMISSIVE IMAGE DISPLAY APPARATUS

ABSTRACT OF THE DISCLOSURE

A large screen emissive display operating at atmospheric pressure includes pixels, the red, green, and blue subpixels of which are excited by UV laser light
5 scanned onto the subpixels by a pixel activation mechanism. The pixel activation mechanism includes three grating light valves (GLVs) that are controlled by a processor in response to a demanded image to modulate the UV light as appropriate to produce the demanded image.